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**Ciba**



**July 17, 2002**

Mr. Frank Battaglia (2 copies)  
USEPA Region I  
Office of Site Remediation and Restoration (HBT)  
JFK Federal Building  
Boston, MA 02203

**Re: Quarterly Progress Report for April, May, and June 2002  
Ciba Specialty Chemicals, 180 Mill Street, Cranston, RI 02905  
EPA ID RID001194323**

Dear Mr. Battaglia:

As required by the modified Consent Decree (CD) of September 28, 1992, I am submitting a stabilization progress report for the second quarter of 2002.

## **1.0 SUMMARY**

### **Stabilization Plan (IRM)**

- **Contaminated groundwater in the Production Area (AOC 13)** -- The groundwater extraction wells 110, 120, and 130 and the pretreatment system are operating as designed.

Since initiation on September 29, 1995, the groundwater stabilization pretreatment plant has processed approximately 208.5 million gallons of contaminated groundwater meeting the permit wastewater discharge limits for the City of Cranston, Rhode Island.

- **Soil in the Production Area (SWMU 11)** -- The SVE and Thermal Oxidizer continued to operate according to engineering design.



## 2.0 DISCUSSION

### Groundwater Treatment System

The treatment system continues to perform as required. Since the rehabilitation of wells 110 and 130 in late December 2001, using the AquaFreed® process the output continues to meet the design standards of the capture of the plume along the entire length of the bulkhead. The 3 extraction wells are now pumping a total of approximately 60 GPM. Pumping rates for each of the 3 wells are set at 37 GPM for 110, 2 GPM for 120, and 20 GPM for 130.

### SVE/Thermal Oxidizer

The SVE and Thermal Oxidizer continue to operate as designed with all vacuum wells and de-watering wells on line. Since November 2001, the VOC concentrations have continued to decrease to the SVE unit, while approximately 470 pounds of VOCs were removed and destroyed from March 2001 through June 2002.

## 3.0 SCHEDULE OF ACTIVITIES

- Continue monthly monitoring of the SVE unit.
- Perform quarterly groundwater sampling at the vapor extraction wells. Next sampling, September 2002.
- Plan for semiannual site-wide well sampling in September 2002.

If you have questions or need additional information, please contact me at 732 914-2537 or fax 732 914-2909.

Sincerely,



Barry Cohen  
Compliance Manager

Attachment: 1

**Monthly Report Distribution List**

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